

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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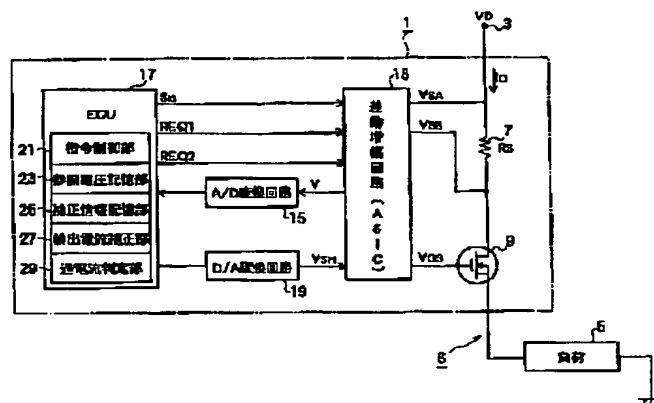
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APPLICANT : TOYOTA MOTOR CORP;

INVENTOR : UMEDA YUKIHIKO;

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TITLE : CURRENT DETECTOR



**ABSTRACT :** PROBLEM TO BE SOLVED: To obtain a current detector in which a highly accurate current detection can be obtained through a simple arrangement even if a temperature fluctuation occurs in a differential amplifier circuit by removing the detection error resulting from a temperature fluctuation in the differential amplifier circuit.

**SOLUTION:** Upon receiving a difference voltage value VDF indicative of the voltage difference across a shunt resistor 7 from an A/D conversion circuit 15, an ECU 17 corrects a detection error resulting from the temperature fluctuation of a differential amplifier circuit ASIC 13 contained in the inputted difference voltage value VDF using correcting information concerning to the combination of a plurality of reference voltage values VREF, VOFF, stored in a reference voltage memory section 23 while being updated among correcting information associated with a plurality of combination variables of reference voltage value.

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